

ProMA Series

Outdoor Weatherproof Access Control Terminal Robust Design with Full Spectrum of Authentication Options

Compatible with

TXKBio CVSecurity



ProMA is a high-end outdoor multi-biometric access control standalone terminal built with ultra-robust aluminum alloy casted casing.

ProMA series enhance its protection level to reach water and dust proof standard (IP66) and vandal proof standard (IK07). There are three models under ProMA series, which have equipped with different authentication combinations, facial recognition, fingerprint recognition and multi-tech RFID recognition, named as ProMA-QR (Face+QR code+RFID), ProMA-RF (Face+RFID), ProMA (Face+Fingerprint+RFID). Additionally, the latest touchless palm recognition is also available in this terminal as an option feature.

Despite its compact size, these terminal's authentication template capacity is top notch in the industry, which supports up to 10,000 fingerprint / 30,000 face / 5,000 palm / 50,000 RFID. Besides, the authentication speed of these terminals is stunning, facial recognition speed of less than 0.3 sec per face, touchless palm recognition performed in 0.35 per hand, and completed RFID recognition in 0.2 sec, all these incredible features making them a perfect choice for most application scenes.

The series support the ZKTeco PUSH communication protocol and fully integrate with the latest hybrid biometric technology + computer vision security platform ZKBio CVSecurity V6600.

Features

- High strength Aluminum alloy casting casing with IK07 vandal proof structure, IP66 water and dust resistant
- Operating temperature from -20°C to 55°C, Storage temperature from -25°C to 65°C, suitable for extreme environment
- Full spectrum of authentication methods, support face / fingerprint / palm(coming soon) / scramble QR Code /RFID card
- Supports up to 30,000 face / 10,000 fingerprint / 5,000 Palm(Optional) / 50,000 RFID card / 500,000 records. Supports IEEE 802.3af/at standard Power over Ethernet
- Supports multiple RFID modules and up to 100+ card types (including, ID / IC/ Legic/ Desfire EV1 / EV2 / HID Prox. / HID iClass/ etc.)
- Supports scramble QR Code as high security mobile credential via ZKBio CVSecurity App(coming soon)
- HD video door phone via ZSmart mobile App & ZKBioTalk PC App

- Supports ONVIF (Compatible with Profile S, Profile T, Profile G, Profile Q, Profile Q & Profile A) for 3rd Party NVR / VMS integration to act as a surveillance camera
- Embedded web server for system configuration
- Fully complied with ZKCSBL (ZKTeco Cyber Security Base Line). Standard to provide advance protection
- Compatible with ZKTeco all-in-one security platform ZKBio CVSecurity

Specifications (G: GL Exclusive Feature)

Capacity

Fingerprint 10,000(Only ProMA)

Face

30,000 (Optional: 50,000 only ProMA-QR&ProMA-RF)

☐ Palm(coming soon)

5,000(Optional) 50,000 (Optional: 100,000 only Cards ProMA-QR&ProMA-RF)

Transactions 500,000

Hardware

6 1.0GHz Quad Core CPU

G Memory 1G RAM / 8G Flash SilkID Fingerprint Sensor (Available on ProMA only)

QR code Sensor (Available on ProMA-QR only)

G 2.0 Inches color TFT Monitor

Hi-Fi Voice & Indicator Tamper Switch Alarm

Optional Functions

Palm recognition

PoE IEEE 802.3af / at(external)

HID Proxy / iClass / multi-tech Card module

Scramble QR code recognition (Supports: PDF417, Data Matrix, MicroPDF417, Aztec, available on ProMA-QR only)

Communication

1* TCP/IP (TLS1.2, AES-256 end to end secured communication channel) 1* Wiegand input/Output

G 1*Standard RS485 / OSDP V2.1.7 over RS485 (AES-128, OSDP V2.1.7 Secured Channel)

Standard Functions

©On-board Web server function Access Levels / Groups / Holidays DST / Bell Schedule /14-digit User ID Duress Mode /Tamper Switch Alarm, Multiple

Anti-Passback Record Ouerv

Access Control Interface

1* Lock Relay Output

1* Alarm Output / Auxiliary Input 1* Exit Button / Door Sensor

1* Doorbell Output

Compatibility

Security Relay Box

Wiegand / OSDP/ RS485 / RS232 Slave Reader

with FP / RFID / QR-code

Software: ZKBio CVSecurity / ZKBioTalk(coming soon)

GMobile App: ZSmart(coming soon)

Special Functions

- **G**IP66 (water & dust proof)
- GIK07 (vandal proof)

≤0.3s High Speed Facial Recognition

- GFully complied with ZKCSBL (ZKTeco Cyber Security Base Line)
- **G**Video intercom(coming soon)
- GOnvif Protocol (Compatible with Profile S,

Profile T, Profile G, Profile C, Profile Q & Profile A)(coming soon)

Additional Info

ZKFace v3.9& ZKFinger v10.0 ZKPalmVein12.0 Algorithms

GOperating Temperature: -20 °C to 55 °C (-4°F to 131°F)

Operating Humidity: ≤93%RH

€ Storage Temperature: -25 °C to 65 °C (-13°F

to 149°F)

Storage Humidity: <93%RH

Dimensions(W*H*D): 68.7*194.7*28.3mm Heavy duty aluminium alloy casing

RFID Module

ID:EM05 IC:IC08

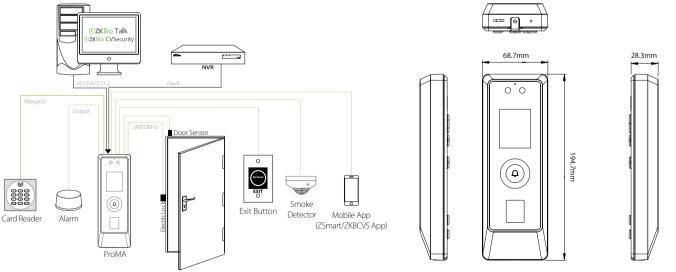
ID&IC:B133

ID&IC&HID Prox/HID iclass:MTR30(coming soon) BLE/NFC(coming soon)

Operating Voltage: 12V DC Current Draw: < 550mA

Configuration

Dimensions (mm)





CE FC V